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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/616,145	07/08/2003	Barry L. Berson	SAI.P002 US	2075	
32794 KOESTNER B	7590 01/17/2007 ERTANI LLP		EXAMINER		
18662 MACARTHUR BLVD			SWARTHOUT, BRENT		
SUITE 400 IRVINE, CA 92612			ART UNIT	PAPER NUMBER	
			2612		
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	DELIVERY MODE	
3 MOI	NTHS	01/17/2007	PAP	ER	

## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)				
Office Action Summary		10/616,145	BERSON ET AL.				
		Examiner	Art Unit				
		Brent A. Swarthout	2612				
Period f	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHI - Extra after - If N - Fail Any	HORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA ensions of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we lure to reply within the set or extended period for reply will, by statute, or reply received by the Office later than three months after the mailing ned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communicati D (35 U.S.C. § 133).	•			
Status							
1)	Responsive to communication(s) filed on		·				
2a)□							
3)□	, <del>_</del>						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposi	tion of Claims						
4)⊠	4)⊠ Claim(s) <u>1-46</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)□	5) Claim(s) is/are allowed.						
6)⊠							
7)🖾	7) Claim(s) <u>3-6,8-14,17-20,24-30,37-40 and 43</u> is/are objected to.						
8)[	Claim(s) are subject to restriction and/or	r election requirement.					
Applicat	tion Papers						
9)[	The specification is objected to by the Examine	r.					
	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority	under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
ĺ	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
•							
Attachmer	• •	<b>Δ</b> . Π. Ι. Ι. Δ.	(DTO 442)				
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  Paper No(s)/Mail Date							
3) 🛛 Infor	rmation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date <u>7-28-03;1-27-06</u> .	5) 🔲 Notice of Informal P					
ı- apt	7. 110(5)/Wall Date 1-20-03, 1-21-00.	6)					

Application/Control Number: 10/616,145

Art Unit: 2612

Page 2

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,15,21 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al.

Hamilton discloses an aircraft display system comprising display device 40, processing means 102, image sensing means 20, combining sensor image data with symbols representative of aircraft operational state (Fig. 7), and outputting the combined image with the out the window field of view of an operator (Fig. 7), except for specifically stating that sensor is capable of providing an image obscured from operator point of view. However, since Hamilton discloses that FLIR imaging system 20 can obtain high definition images of the external world, such a system would have been capable of providing images obscured from an operator, if system designers desired not to include obscured images.

Regarding claims 21-22, Hamilton discloses a view in Fig. 7 that appears to include at least 20 degrees to right and left and at least a 40 degree vertical range of view.

2. Claims 7 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. in view of Noble.

Noble teaches desirability of using a flat screen display 12 in an aircraft cockpit environment (abstract).

Application/Control Number: 10/616,145

Art Unit: 2612

It would have been obvious to use a flat screen display as suggested by Noble in conjunction with a virtual scene as disclosed by Hamilton, in order to allow additional aircraft data to be presented to a pilot.

3. Claims 2 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. and Derderian.

Derderian teaches desirability of displaying different flight displays depending on phase of flight (paragraph 6).

It would have been obvious to display different flight data as suggested by Derderian for different phases of flight in a system as disclosed by Hamilton, in order that a pilot could have received the most pertinent type of information for a particular phase of flight.

4. Claims 31-35 and 41-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. and Guell (Flying Infrared for Low-level Operations-FLILO).

Guell discloses desirability of providing different synthetic vision views to pilots at different positions (pages 32-34).

It would have been obvious to use different display views for pilots at different positions as suggested by Guell in conjunction with a synthetic vision aircraft display as suggested by Hamilton, in order that more than one pilot could have received data for their particular viewpoint, thus making navigating safer and easier, depending on which pilot was performing an operation.

5. Claims 44-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. in view of Guell and Smith et al.

Smith teaches desirability in an aircraft display system of switching from a moving map display 202 to windows depicting other aircraft operational data (col. 3, line 64-col. 4, line 6; Fig. 3).

It would have been obvious to switch to different displays as suggested by Smith in conjunction with a flight display system as disclosed by Hamilton and Guell, in order to allow a pilot to retrieve other essential navigation data without having to take focus off of a primary display.

Regarding claim 45, Smith discloses windows comprising navigation data, attitude information, engine data and advisory data (Fig. 4). Choosing to display other data, such as airspeed, would have been obvious to one of ordinary skill in the art, merely depending on what type of data was most desired by a pilot for a particular situation.

6. Claim 46 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. in view of Guell and Yelton et al.

Yelton teaches desirability of using terrain data when providing a flight display (col. 10, lines 59-61).

It would have been obvious to one of ordinary skill in the art to include terrain data as suggested by Yelton when creating an outside craft display as suggested by Hamilton and Guell, in order to have a more realistic depiction of an outside view.

7. Claim 36 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al. in view of Guell and Derderian.

Claims are rejected for the same reasons as presented above with regard to paragraphs 3 and 4.

- 8. Claims 3-6,8-14,17-20,24-30,37-40 and 43 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sankrithi, Takatsuka, Turner and Aratow disclose aircraft display systems.
- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brent A Swarthout whose telephone number is 571-272-2979. The examiner can normally be reached on M-F from 6:30 to 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Horabik, can be reached on 571-272-3068. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should

Application/Control Number: 10/616,145

Art Unit: 2612

Page 6

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Brent A Swarthout Art Unit 2636

> GRENT A. SWARTHOUT PRIMARY EXAMINER